WHAT IS CLAIMED IS:

1. An isolated population of antigen presenting cells expressing CD11c⁺,

- 2 $CD14^+$.
- 1 2. The isolated population of CD11c⁺, CD14⁺ antigen presenting cells
- 2 according to claim 1, wherein the antigen presenting cells are dendritic cells.
- 1 3. The isolated cell population according to claim 2, wherein the
- 2 population is enriched for the CD11c⁺, CD14⁺ dendritic cells.
- 4. The isolated dendritic cell population according to claim 2, wherein the dendritic cell population is substantially enriched for mature dendritic cells.
- 5. The isolated dendritic cell population according to claim 2, wherein the dendritic cell population is substantially enriched for immature dendritic cells.
- 1 6. The isolated dendritic cell population according to claim 2, further comprising a predetermined antigen.
- 7. The isolated dendritic cell population according to claim 6, wherein the predetermined antigen is a tumor-specific antigen, a tumor associated antigen, a bacterial antigen, or a viral antigen.
- 1 8. The isolated dendritic cell population according to claim 7, wherein the tumor-associated antigen is a prostate-associated antigen.
- 9. The isolated dendritic cell population according to claim 8, wherein the prostate-associated antigen is prostate-specific antigen (PSA), prostate-specific membrane antigen (PSMA), or prostatic acid phosphatase (PAP).
- 1 10. The isolated dendritic cell population according to claim 6, wherein the predetermined antigen is an autoantigen.
- 1 1. The isolated dendritic cell population according to claim 2, further comprising at least one cytokine.

1 12. The isolated dendritic cell population according to claim 11, wherein 2 the at least one cytokine is a proinflammatory cytokine.

- 1 13. The isolated dendritic cell population according to claim 12, wherein 2 the proinflammatory cytokine is TNFα, IL-1β, or CD40 ligand.
- 1 14. The isolated dendritic cell population according to claim 11, wherein 2 the at least one cytokine is an anti-inflammatory cytokine.
- 1 15. The isolated dendritic cell population according to claim 14, wherein 2 the anti-inflammatory cytokine is IL-10, TGF-β, or PGE₂.
- 1 16. The isolated dendritic cell population according to claim 2, further comprising an enriched population of T cells, or NK cells.
- 1 17. The isolated dendritic cell population according to claim 16, wherein 2 the enriched population of T cells is a cell population comprising isolated T cells.
- 1 18. The isolated dendritic cell population according to claim 16, wherein 2 the isolated population of T cells is substantially enriched for T cells.
- 1 19. The isolated dendritic cell population according to claim 16, wherein the dendritic cell population and the T cell population are autologous, syngeneic, or allogeneic.
- 1 20. The isolated dendritic cell population according to claim 16, wherein 2 the T cell population is substantially enriched for CD4⁺T cells.
- 21. The isolated dendritic cell population according to claim 16, wherein the T cell population is substantially enriched for CD8⁺T cells.
- The isolated dendritic cell population according to claim 16, wherein the T cell population is comprised of a mixed population of CD4⁺ and CD8⁺ T cells.
- 1 23. The isolated dendritic cell population according to claim 16, wherein the enriched population of NK cells is a cell population comprising isolated NK cells.

1		24.	The isolated dendritic cell population according to claim 16, wherein			
2	the enriched pe	opulatio	on of NK cells is a cell population substantially enriched for NK cells			
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1	. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 .	The isolated dendritic cell population according to claim 16, wherein			
2		ell popi	ulation and the NK cell population are autologous, syngeneic, or			
3	allogeneic.					
1		26.	A composition comprising an isolated population of CD11c ⁺ , CD14 ⁺			
2	dendritic cells	ritic cells and a prostate-specific membrane antigen (PSMA).				
1		27.	The composition according to claim 26 further comprising an isolated			
2	population of T cells or NK cells.					
1		28.	A method for isolating a population of CD11c ⁺ , CD14 ⁺ dendritic cells,			
2	comprising:	20.	A modiou for isoluting a population of CD110, CD1. General Cons,			
4	comprising.					
3	•	obtain	ing a population of dendritic cell precursors,			
4		differe	entiating the precursors into immature or mature dendritic cells, and			
•						
5		selecting the population of CD11c ⁺ , CD14 ⁺ dendritic cells from the immature				
6	or mature den	nature dendritic cells.				
1		29.	The method according to claim 28, wherein the population of dendritic			
2	cell precursor	precursors is obtained by contacting a monocytic dendritic cell precursor-adhering				
3	substrate with a population of leukocytes.					
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1		30.	The method according to claim 28, wherein the differentiation of			
2	dendritic cell	precurs	sors to immature and mature dendritic cells comprises culturing the			
3	precursors with at least one cytokine.					
1		31.	The method according to claim 30, wherein the at least one cytokine is			
2	GM-CSF into		14, GM-CSF and interleukin 4, interleukin 13, or interleukin 15.			
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1		32.	The method according to claim 30, wherein the differentiation of			
2	dendritic cell precursors to immature and mature dendritic cells comprises culturing the					
3	precursors in the presence of plasma to promote the differentiation of the CD14 ⁺ dendritic					
4	cella					

1		33.	The method according to claim 28, wherein the differentiation of			
2	dendritic cell p	dritic cell precursors to immature and mature dendritic cells comprises culturing the				
3	precursors with a predetermined antigen.					
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1		34.	The method according to claim 28, wherein the isolation of CD11c ⁺ ,			
2	CD14' dendriti	c cells	from the immature and mature dendritic cells comprises			
3	;	admixi	ing the population of dendritic cell precursors with a CD14 specific			
4	probe under conditions conducive to the formation of a complex with the CD14 expressing					
5	dendritic cells;					
6	•	detecti	ng the CD14-expressing cells complexed with the CD14-specific probe;			
7	and					
8		selecti	ng the CD11c ⁺ , CD14 ⁺ dendritic cells.			
J	•	SOLOCUL	ag aic CD11c, CD14 dendiffic cens.			
1		35.	The method according to claim 34, wherein the CD14-specific probe is			
2	a CD14-specific antibody.					
1		26				
1	_	36.	The method according to claim 28, wherein the selection of CD11c ⁺ ,			
2			from the immature and mature dendritic cells comprises affinity			
3	selection of the	CD14	⁺ dendritic cells with a CD14-specific probe coupled to a substrate.			
1	•	37.	The method according to claim 36, wherein the CD14-specific probe is			
2	an anti-CD14 antibody.					
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1		38.	The method according to claim 36, wherein the substrate coupled to			
2	the CD14-specific probe is a magnetic bead.					
1		39.	The method according to claim 28, further comprising culturing the			
2	CD11c ⁺ , CD14	† dend	ritic cells to obtain an isolated population substantially enriched for			
3	mature dendritic cells.					
1	4	40.	A method for modulating an T cell response to a predetermined			
2	antigen, comprising:					
3		nhtaini	ng an isolated population of CD11c ⁺ , CD14 ⁺ dendritic cells;			
_	•	vvann	ing an inviation population of CD11C, CD14 dengine cells:			

4	contacting the isolated population of CD11c ⁺ , CD14 ⁺ dendritic cells with a				
5	predetermined antigen; and				
6	contacting the isolated population of CD11c ⁺ , CD14 ⁺ dendritic cells with T				
7	cells to modulate the T cell response to the predetermined antigen.				
1	41. The method according to claim 40, wherein the CD11c ⁺ , CD14 ⁺				
2	dendritic cells have been obtained from skin, spleen, bone marrow, thymus, lymph nodes,				
3	peripheral blood, or cord blood.				
1	42. The method according to claim 40, wherein the CD11c ⁺ , CD14 ⁺				
2	dendritic cells and the T cells are autologous, syngeneic, or allogeneic.				
1	43. The method according to claim 40, wherein the CD11c ⁺ , CD14 ⁺				
2	dendritic cells are contacted with the T cells in vitro or ex vivo.				
1	44. The method according to claim 40, wherein the predetermined antiger				
2	is a tumor-specific antigen, a tumor associated antigen, autoantigen, or a viral antigen.				
1	45. The method according to claim 44, wherein the tumor-associated				
2	antigen is a prostate cancer-associated antigen.				
1	46. The method according to claim 45, wherein the prostate cancer-				
2	associated antigen is prostate-specific antigen (PSA), prostate-specific membrane antigen				
3	(PSMA), or prostatic acid phosphatase (PAP).				
1	47. The method according to claim 40, wherein the T cells are an isolated				
2	population T cells substantially enriched for CD4 ⁺ T cells.				
1	48. The method according to claim 40, wherein the T cells are an isolated				
2	population of T cells substantially enriched for CD8 ⁺ T cells.				

population of T cells comprising a mixed population of CD4⁺ and CD8⁺ T cells.

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The method according to claim 40, wherein the T cells are an isolated